



Australian Government

RIIPHA301D Conduct milling/grinding

Release: 2

RIIPHA301D Conduct milling/grinding

Modification History

Release	Comment
1	This unit replaces RIIPHA301A Conduct milling/grinding
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to conduct milling/grinding in Metalliferous Mining.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Metalliferous mining

Elements and Performance Criteria

1. Plan and prepare for milling/grinding process	<p>1.1. Access, interpret and apply milling/grinding operations documentation and ensure the work activity is compliant</p> <p>1.2. Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3. Select and wear personal protective equipment appropriate for the activity</p> <p>1.4. Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency</p> <p>1.5. Select, and check for faults, equipment/tools for work activities.</p> <p>1.6. Identify and address potential risks, hazards and environmental issues, and implement control measures</p> <p>1.7. Communicate with other personnel using approved</p>
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	<p>communication methods</p> <p>1.8. Select appropriate auxiliary equipment for work activities</p> <p>1.9. Use approved dust suppression and extraction methods and ensure area is well ventilated</p>
2. Start-up equipment in sequence	<p>2.1. Carry out start-up procedures and complete start-up checks</p> <p>2.2. Confirm plant is operational</p>
3. Operate and monitor equipment and lubrication system	<p>3.1. Read and interpret data from equipment indicators</p> <p>3.2. Inspect plant</p> <p>3.3. Adjust equipment to optimise plant performance</p> <p>3.4. Control feed to plant</p> <p>3.5. Monitor reagent additions</p> <p>3.6. Monitor lubrication system to ensure that oil and grease levels are maintained</p> <p>3.7. Carry out operator level maintenance</p> <p>3.8. Complete all required documentation, clearly, concisely and on time</p> <p>3.9. Communicate verbally or in writing end of shift information to oncoming shift</p>
4. Monitor and control classification	<p>4.1. Check for density and/or size of ore according to specified parameters</p> <p>4.2. Adjust and calibrate equipment where required to meet density requirements</p> <p>4.3. Accurately sample and record density of product</p>
5. Charge mill	<p>5.1. Select grinding media type and quantity according to metallurgical requirements</p> <p>5.2. Charge mill as required</p>
6. Conduct housekeeping activities	<p>6.1. Clear work area and dispose of or recycle materials</p> <p>6.2. Clean and maintain condition of equipment, ensure suitability for use, and address/report issues</p> <p>6.3. Process records</p>
7. Shut down in sequence and/or isolate equipment	<p>7.1. Clear ore from milling/grinding equipment before commencing shutdown</p> <p>7.2. Shut down or isolate equipment based on process and safety requirements</p>

	7.3. Perform post shut down or isolation checks
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Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIIPHA301 Conduct milling/grinding

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>